



INTERNATIONAL EUROPEAN UNIVERSITY
EDUCATIONAL AND SCIENTIFIC INSTITUTE
"EUROPEAN MEDICAL SCHOOL"

DEPARTMENT
OF MEDICAL AND PREVENTIVE DISCIPLINES

THEMATIC PLAN OF INDEPENDEND WORK OF STUDENTS
FOR 3-4 YEARS STUDENTS, VI -VII SEMESTERS
SPECIALTY 222 "MEDICINE"
DISCIPLINE

Social medicine, organization and economics of health care

№	Topic	Hours
SECTION 1. BIOSTATISTICS.		
I	Preparation for practical classes - theoretical training and development of practical skills	40
II	Independent study of topics that are not included in the classroom plan: not provided by the program.	-
III	Individual independent work of the student.	6
IV	Preparation for the final credit control of knowledge and skills acquisition.	4
Total:		50

№	Topic	Hours
SECTION 2. PUBLIC HEALTH.		
I	Preparation for practical classes - theoretical training and development of practical skills	35
II	Independent study of topics that are not included in the plan of classroom classes: not provided by the program.	7
1	Life as a value. Attitudes towards death and dying as a moral issue.	1
2	Providing strategic guidance for health and well-being.	1
3	Moral, ethical and legal aspects of health interventions. Informatization of public health. Medical information systems in the world and in Ukraine.	1
4	Public health informatization. Medical information systems in the world and in Ukraine.	1
5	Stresses and conflicts. Mechanisms for protecting people from stress.	1
6	Communication and social mobilization for health. Press releases and media relations.	1
7	Visualization and effective presentation of health data. Dissemination and use of results.	1
III	Individual independent work of the student.	6
IV	Preparation for the final credit control of knowledge and skills acquisition.	2
Total:		50

Discussed and approved at the meeting of the department of

MEDICAL AND PREVENTIVE DISCIPLINES,
 protocol № 1 from "25" 08 2021

Head of the department, Doctor of Biological Sciences, Associate Professor

 Maya VERGOLYAS



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THEMATIC PLAN OF INDEPENDEND WORK OF STUDENTS
FOR 6TH YEAR STUDENTS, XII SEMESTER
SPECIALTY 222 "MEDICINE"
DISCIPLINE

Social medicine, organization and economics of health care

№	Topic	Hours
SECTION 1. ORGANIZATION OF HEALTH CARE		
I	Preparation for practical classes - theoretical training and development of practical skills	14
II	Independent study of topics that are not included in the classroom plan: not provided by the program.	12
1	Health care systems.	2
2	Health care reform in Ukraine.	2
3	Medical and social care for the elderly.	2
4	Palliative and hospice care.	2
5	Mental health care.	2
6	e-Health.	2
III	Individual independent work of the student.	6
IV	Preparation for the final credit control of knowledge and skills acquisition.	4
Total:		36

№	Topic	Hours
SECTION 2. ECONOMICS OF HEALTH CARE*		
I	Preparation for practical classes - theoretical training and development of practical skills	24
II	Independent study of topics that are not included in the plan of classroom classes: not provided by the program.	-
III	Individual independent work of the student.	6
IV	Preparation for the final credit control of knowledge and skills acquisition.	4
Total:		34

*Note. This program in SECTION 2. "ECONOMICS OF HEALTH CARE" does not provide for students to master certain topics.

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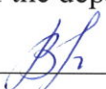
**THEMATIC PLAN OF PRACTICAL CLASSES
FOR 4TH YEAR STUDENTS, VII SEMESTER
SPECIALTY 222 "MEDICINE"
DISCIPLINE**

Social medicine, organization and economics of health care

№	Topic title	Number of hours
Section 2. Public Health.		
1.	Public health, features and services.	2
2-3.	Public health. Assessment of the state of health and well-being of the population. The methodology of the study and assessment of factors that affect the health of the population.	4
5-6.	The methodology of studying and evaluating the basic demographic indicators of the natural movement of the population. Analysis of the demographic situation.	4
7-8.	The methodology of the study and evaluation of infant mortality rates. Maternal mortality.	4
9-10.	The methodology of the study and evaluation of indicators of general morbidity.	4
11-12.	The methodology of the study and evaluation of indicators of non-infectious morbidity of the most important socially significant diseases.	4
13.	The methodology of studying and evaluating the indicators of infectious morbidity by the most important socially significant diseases.	2
14.	Medical and social aspects of morbidity with temporary and permanent disability. Calculation methodology and analysis of indicators.	2
15.	Methodological basis for the study of the burden of disease. The implications of the results for the public health system.	2
16.	Prevention Health promotion. Types, forms and methods.	2
17.	Outreach activities (advocacy) as part of medical prevention.	2
18.	Communication and social mobilization for health. Press releases and media relations.	2
19.	Informatization of public health. Medical information systems in the world and in Ukraine.	2
20.	Final control.	2
	Total	40

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THEMATIC PLAN OF PRACTICAL CLASSES
FOR 3RD YEAR STUDENTS, VI SEMESTER
SPECIALTY 222 "MEDICINE"

DISCIPLINE

Social medicine, organization and economics of health care

№	Topic title	Number of hours
Section 1. Biostatistics		
1	Social medicine and public health as a science. Biostatistics as a methodological basis for the analysis and assessment of public health and health protection systems. Organization and planning of statistical studies.	2
2	Compilation of programs of statistical research.	2
3	Relative values.	2
4	Graphical analysis methods.	2
5	Variation series. Average values.	2
6	Standardization method.	2
7	Parametric methods for estimating probability.	2
8	Nonparametric methods for estimating probability.	2
9	Correlation and regression analysis.	2
10-11	Time series and their analysis.	4
12	Epidemiological study design: case-control, cohort, randomized clinical trials.	2
13	Risk factors. Methodology for calculating risk indicators and their assessment.	2
14	Screening. Methodology for assessing the sensitivity and specificity of screening tests.	2
15	Basics of preparing a scientific publication.	2
16	Final control.	2
	Total	32

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THEMATIC PLAN OF PRACTICAL CLASSES
FOR 6TH YEAR STUDENTS, XII SEMESTER
SPECIALTY 222 "MEDICINE"

DISCIPLINE **Social medicine, organization and economics of health care**

№	Topic title	Number of hours
Section 1. Organization of health care.		
1.	World Health Organization. Basic health care system.	4
2.	The general principles of the organization of health care to the population in Ukraine, the types of medical care. Nomenclature of health care institutions.	4
3.	Organization and content of work of establishments providing outpatient care to the urban population. Accounting and analysis of their activity. Hospital exchanging forms of medical care.	4
4.	The organization and content of the work of institutions providing inpatient medical care to the urban population. Accounting and analysis of their activity.	4
5.	The organization and content of the work of medical institutions at different stages of medical support rural population.	4
6.	Organization of the emergency facilities (ambulance) medical care. The content of the work, recording and analysis of their activity.	4
7.	The organization and content of the work of institutions providing obstetric-gynecological care, accounting and analysis of their activity.	4
8.	The organization and content of children's medical institutions, accounting and analysis of their activity.	4
9.	The organization of medical - social expertise of temporary disability, the procedure for its implementation.	4
10.	The organization of medical - social expertise of stable (permanent) disability, the procedure for its implementation.	4
11.	Final control.	4
	Total	44
Section 2. Economics of health care.		
1.	Health facilities as a business entity. Basics of business.	4
2.	Features of formation of market relations in the health system and marketing activities of medical institutions.	4
3.	Resource provision of establishments of health care.	4
4.	Systems of public health institutions financing.	4
5.	Expenses and prices for health care.	4
6.	Economic analysis of health care facilities.	4
7.	Modern methods of economic analysis in health care system (ABC/VEN/ frequency analysis).	4
8.	The methodology of business activity financial analysis of the medical institution.	4
9.	Final control.	4
	Total	36

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Maya VERGOLYAS



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FOR 6TH YEAR STUDENTS, XII SEMESTER
SPECIALTY 222 "MEDICINE"

DISCIPLINE

Social medicine, organization and economics of health care

1. Calculation for the analysis of fertility rates
2. Calculation for the analysis of mortality rates (general, special)
3. Calculation for the analysis of morbidity
4. Calculation for the analysis of disability indicators
5. Calculation of indicators and analysis of health care facilities.
6. Examination of temporary disability.
7. Completion of documents certifying disability
8. Drawing up a management plan to address the identified situation.
9. Application of methods of evidence-based medicine in making management decisions.
10. Calculation of the price for medical service.

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The list of practical skills for the final control
FOR 3RD YEAR STUDENTS, VI SEMESTER
SPECIALTY 222 "MEDICINE"

DISCIPLINE

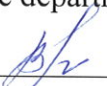
Social medicine, organization and economics of health care

Section 1 "BIOSTATISTICS"

1. Formation of a research question.
2. The choice of research design according to the hypothesis.
3. Drawing up a plan and program of statistical research.
4. Construction of the layout of statistical tables.
5. Calculation of relative values
6. Calculation of average values.
7. Application of the rule of three sigmas (δ)
8. Assessment of process dynamics.
9. Selection of a graphical representation of statistical data.
10. Estimation of normality of data distribution.
11. Choice of method for estimating the probability of research results and interpretation of data
12. Draw conclusions from the results of the standardization method.
13. Calculation of the correlation coefficient and interpretation of results.
14. Identification sources of information for the study.

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The list of practical skills for the final control
FOR 4TH YEAR STUDENTS, VII SEMESTER
SPECIALTY 222 "MEDICINE"

DISCIPLINE

Social medicine, organization and economics of health care

SECTION 2 "PUBLIC HEALTH"

1. Analysis and assessment of public health.
2. Analysis and evaluation of state, social and medical information using standard approaches and computer information technology.
3. Assessment of the impact of adverse factors on the health of the population (individual, family, population) in a medical institution by standard methods, risk assessment.
4. Prioritize public health.
5. Needs assessment, development of scientifically sound measures and development of appropriate strategies.
6. Planning measures for disease prevention among the population to prevent the spread of diseases.

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